

GLOBAL COMBAT SUPPORT SYSTEM - MARINE CORPS (GCSS-MC)





PURPOSE

- Provide an overview of the GCSS-MC Logistics Chain Management (LCM) program



AGENDA

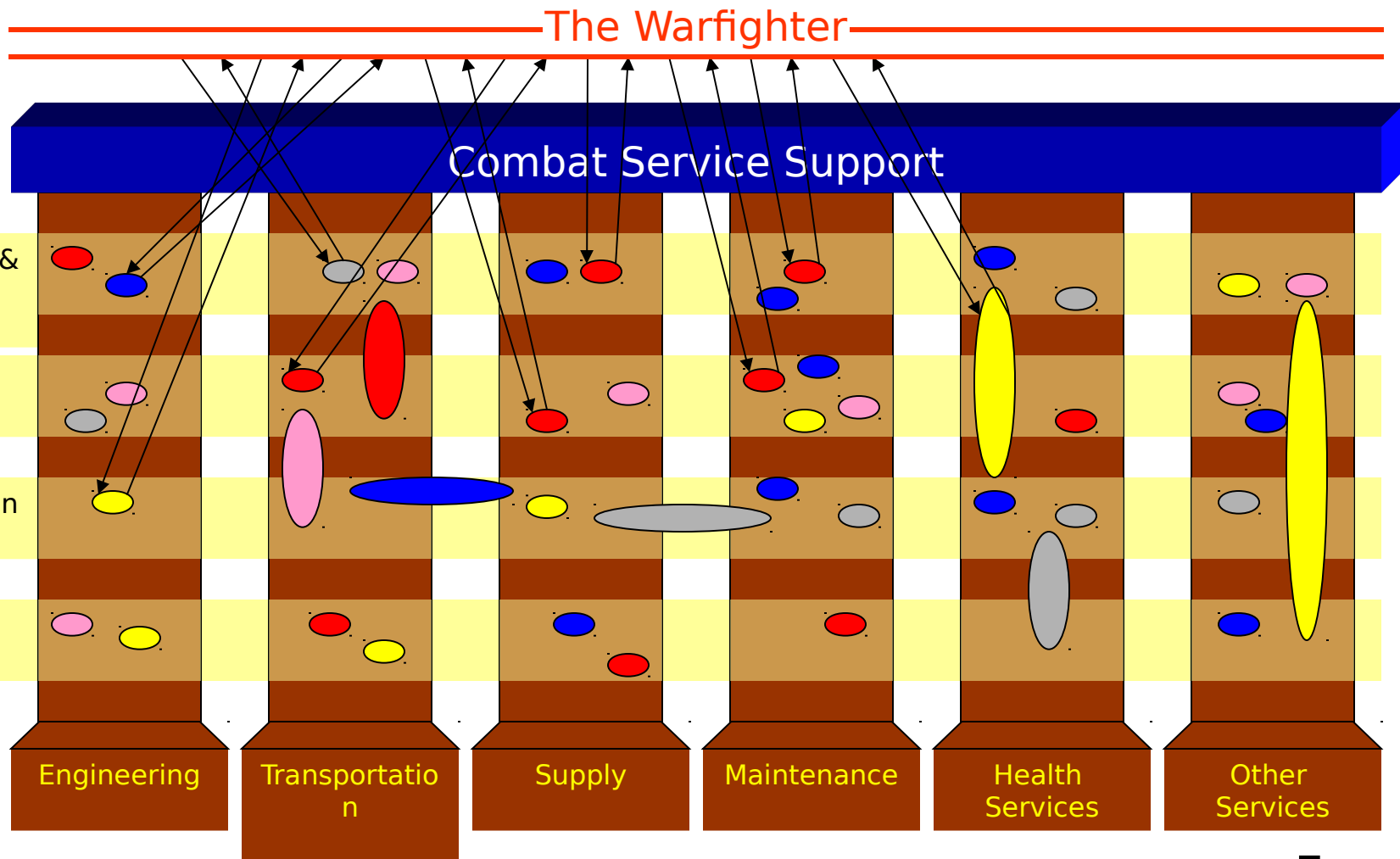
- ***Program Description***
- Acquisition Strategy
- Program Risks
- Documentation Status



Current Logistics Concerns

- Primary maintenance and supply systems fielded in 1971
- 200+ logistics systems
 - Few interface
 - Antiquated languages (e.g., COBOL)
 - No shared data
 - Multiple releases
 - Distribution requirements not considered during design
- Global Combat Support System (GCSS) is the basis of our modernized IT

Impact on Warfighter





Process Improvement & the Logistics OA

- Initially an IT focus (1999), became process focused
- Developed Marine Corps Logistics Operational Architecture to:
 - Define and document future logistics functions, capabilities, and procedures
 - Adopt a logistics chain approach/integrate C2
 - Be built from “bottom-up” – supported unit back
 - Strengthen “supporting-supported” relationships through order management
 - To be the framework for implementing substantive change



What does the Logistics Operational Architecture provide?

- Integrated systems/processes for deployed/garrison
- A *single* order manager for requests
- Ability to *manage capacity* both MAGTF-level and USMC-wide
- Systems and Technical Architectures to ensure compatibility with DoD Systems/reduce overlaps
- Provides a basis to determine communications and bandwidth requirements for logistics



GCSS-MC Vision

- **GCSS-MC** is a portfolio of systems with appropriate technical enablers designed and fielded to support the physical implementation of the **Marine Corps Logistics Operational Architecture**
 - Completed June 2002
 - Provides secure information interoperability and cross functional access between combat support and command control functions necessary to support the modern era warfighter



GCSS-MC Portfolio

Mission

- Physical implementation of the enterprise IT architecture
- Designed to support:
 - Improved & enhanced MAGTF Combat Service Support functions
 - MAGTF Commander & Combatant Commander/Joint Task Force combat support information requirements.
- Will provide services that support the End to End and Total Life Cycle Systems Management Processes outlined by the Business Enterprise Architecture and the Future Logistics Enterprise.



GCSS-MC Portfolio Planning and Execution

← System/Subsystem

→

1999-2000 Specification

2002

2003 & Beyond

ILC
Analysis
Complete
GCSS-MC
initial
ORD
Approved
SUL
ACTD
GCSS
CRD
Approved
by JROC
DRID
54
Transformation/
Campaign
Plan

GCSS-MC
Manageme
nt Team
Chartered
GCSS-MC
Portfolio
Establishe
d
GCSS-MC
POM-04
Planning
Log OA
Started

GCSS-MC
PMB
OA
Completed
Communications
plan
Portfolio/Risk
management
Expanded
Validation
Training
Strategy
Acquisition
EI Toolkit

**JROC approved
ORD_**

Log SRAC
Process
completed
Program of
Record
1 Oct 03

Depot
Systems
Functionality
Other
Required
Functionality

COTS/Integra
tor Selection

Joint System
Integration
CLC2S

GCSS-MC Maturity



GCSS-MC LCM Objectives

- Provide the infrastructure and transactional backbone for logistics operations
 - Critical to all Logistics Modernization efforts
 - Results in shut down of 5 core legacy systems (SASSY, ATLASS I, ATLASS II+, MIMMS, PC MIMMS)
- Implements Logistics Operational Architecture processes
 - Request Management
 - Order Management
 - Capacity Management



GCSS-MC LCM Program

- Evolutionary Acquisition/Incremental Development
- Field an operationally suitable, supportable and secure capability in the shortest time possible
- Future increments add the remaining Log OA capabilities



GCSS-MC LCM

Block 1

BLOCK 1

LOGISTICS CHAIN PLAN (CUSTOMER)

DEMAND PLANNING

MAINTENANCE PLANNING

INVENTORY PLANNING

INVENTORY CONTROL (DEMAND SUPPLY)

INVENTORY CAPACITY OPERATIONS

MAINTENANCE CAPACITY PLANNING

MAINTENANCE SCHEDULING

DISTRIBUTION OPERATIONS MGMT

MAINTENANCE OPERATIONS MGMT

INVENTORY OPERATIONS MGMT

ORDER MANAGEMENT

REQUEST MANAGEMENT

WAREHOUSE MGMT (INBOUND)

MAINTENANCE FULFILLMENT

PROCUREMENT FULFILLMENT



Logistic Chain Management Program

← **Funded** →

← **Unfunded - POM 06** →

Issue

GLOBAL COMBAT SUPPORT SYSTEM MARINE CORPS LOGISTICS CHAIN MANAGEMENT

BLOCK 1

LOGISTICS CHAIN PLAN (CUSTOMER)
DEMAND PLANNING
MAINTENANCE PLANNING
INVENTORY PLANNING
INVENTORY CONTROL (DEMAND SUPPLY)
INVENTORY CAPACITY OPERATIONS
MAINTENANCE CAPACITY PLANNING
MAINTENANCE SCHEDULING
DISTRIBUTION OPERATIONS MGMT
MAINTENANCE OPERATIONS MGMT
INVENTORY OPERATIONS MGMT
ORDER MANAGEMENT
REQUEST MANAGEMENT
WAREHOUSE MGMT (INBOUND)
MAINTENANCE FULFILLMENT
PROCUREMENT FULFILLMENT

BLOCK 2

BLOCK 1 ENHANCEMENTS
LIFE CYCLE MGMT
ROUTE CONFIGURATION PLANNING
FLEET CONFIGURATION PLANNING
MODE OPTIMIZATION PLANNING
TRANSPORTATION ALLOCATION PLAN
ROUTE AND SCHEDULE PLANNING
DISTRIBUTION CAPACITY OPERATIONS
MAINTENANCE ALLOCATION PLANNING
MAINTENANCE CAPACITY OPERATIONS
ENGINEERING CAPACITY MGMT
ENGINEERING PRODUCTION MGMT
WAREHOUSE MGMT (OUTBOUND)
DISTRIBUTION FULFILLMENT
CUSTOMER SERVICE MGMT

BLOCK 3

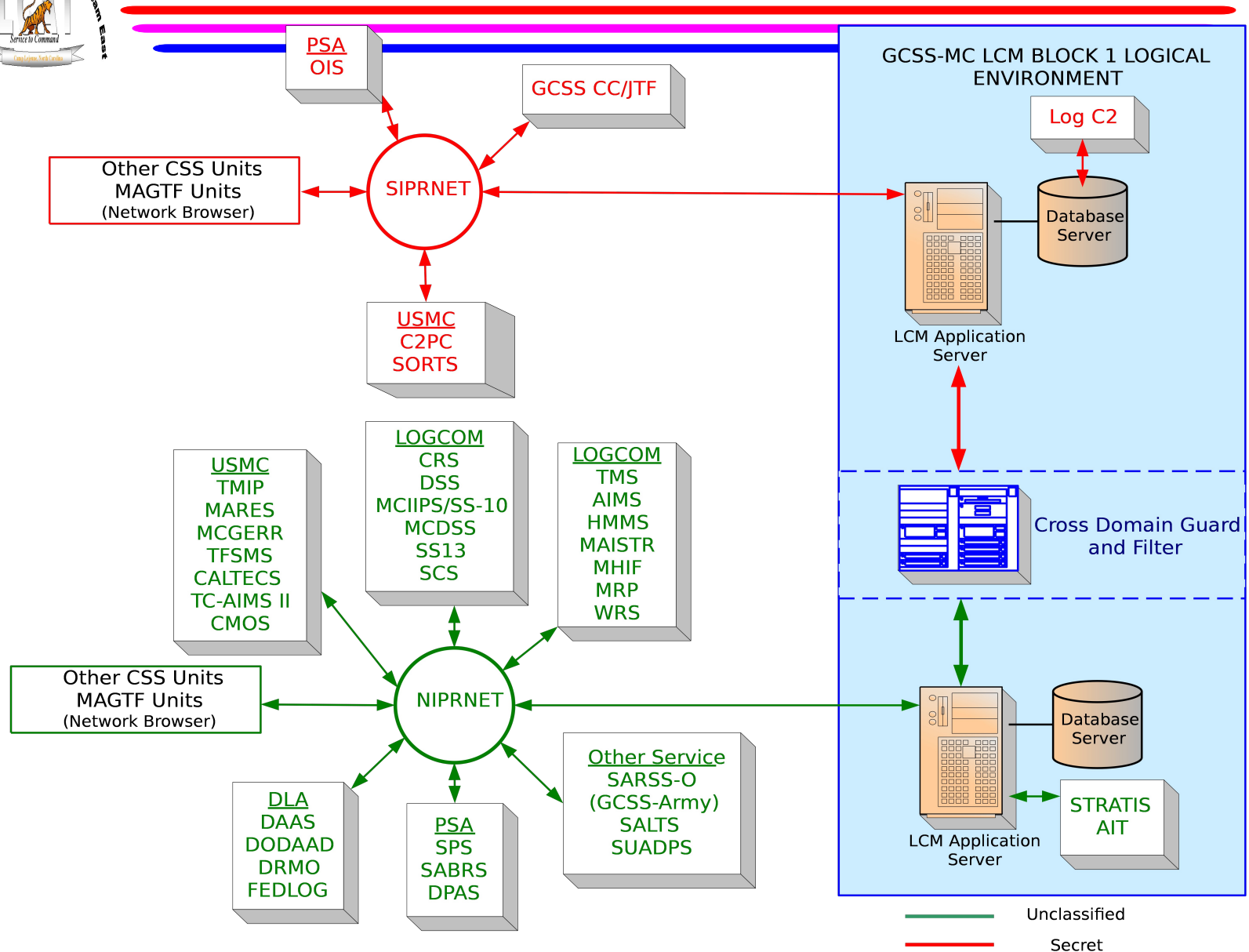
BLOCK 2 ENHANCEMENTS
NETWORK DESIGN
LOGISTICS CHAIN PLAN (PROVIDER)
FACILITY LOCATION CAPACITY PLANNING
TRANSPORTATION CAPACITY PLANNING
FACILITY RESOURCE PLANNING
MODE PLANNING
DISTRIBUTION CAPACITY PLANNING
RETURNS PLANNING
CUSTOMER SERVICE PLANNING
PROCUREMENT PLANNING
PROCUREMENT CAPACITY OPERATIONS
HEALTH SERVICES CAPACITY MGMT
GENERAL SERVICES CAPACITY MGMT
PROCUREMENT OPERATIONS MGMT
HEALTH SERVICES PRODUCTION MGMT
GENERAL SERVICES PRODUCTION MGMT

FIELD TO I,II,AND III MEF, RESERVES, AND SUPPORTING ESTABLISHMENT

INTERNET INFRASTRUCTURE INTEGRATED DATABASE AUTOMATIC IDENTIFICATION TECHNOLOGY NCES INFORMATION ASSURANCE



GCSS-MC LCM Block 1 Interfaces



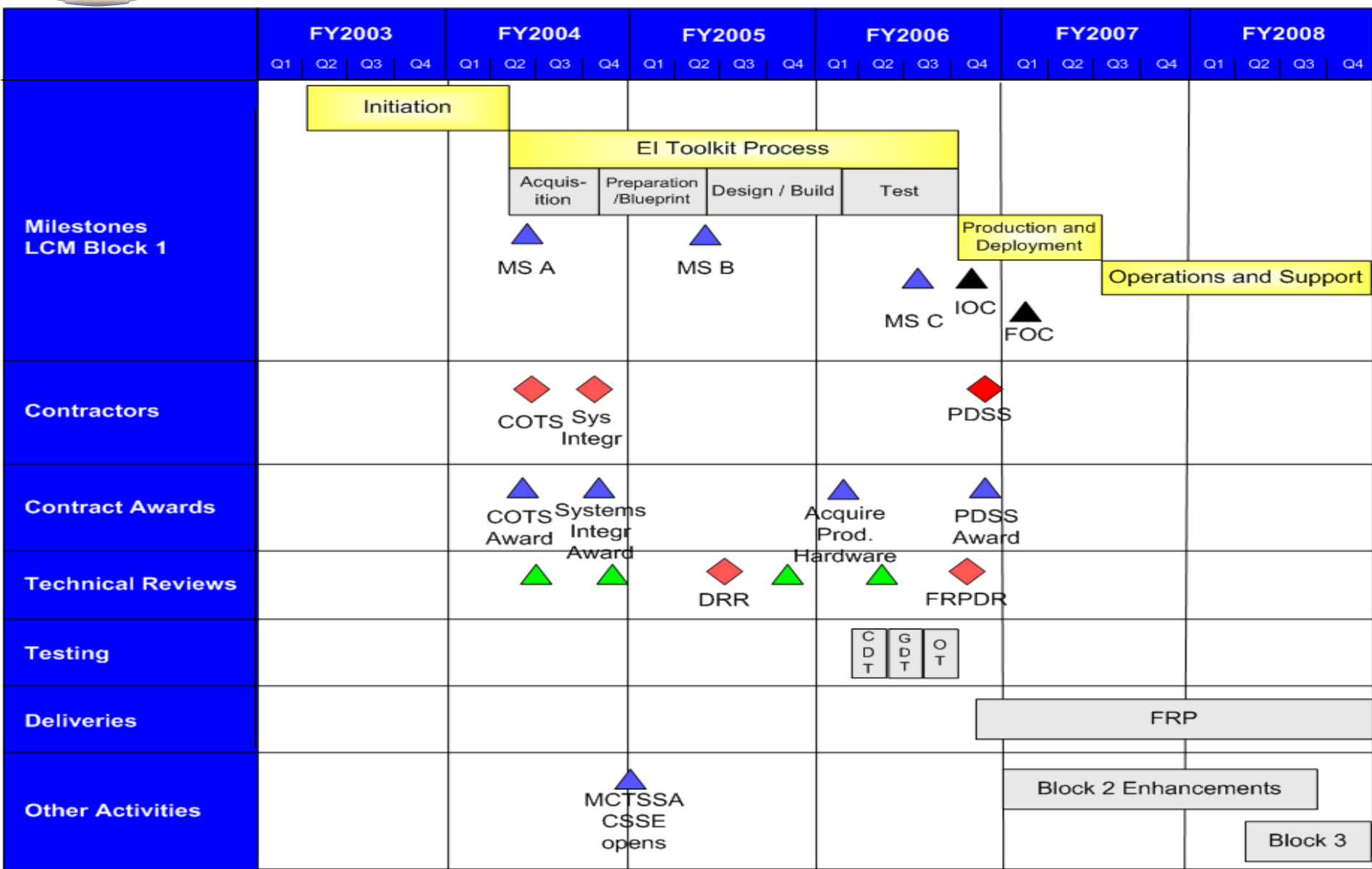


GCSS-MC LCM Block 1 Acquisition Strategy

- Full and Open Competition
- Utilize Commercial-Off-the-Shelf (COTS) business application suites or Best of Breed modules to replace legacy systems
- Two-phased RFP process
 - Select COTS product(s)
 - Select a Systems Integrator to design final solution
- Consistent with OSD EI Toolkit Best Practices



GCSS-MC LCM Block 1 Schedule





Change Management

- **Change Management is the key to our success**
 - We are changing the way the Marine Corps does Logistics
 - Adapting to Industry standards and processes
 - 10 active duty SME's assigned to PMO June 04
- **Communications**
 - Produce and execute Logistics Modernization Communications Plan
 - Continuous Feedback from Operating Forces
- **Culture and Role Changes**
 - Commandant of the Marine Corps providing senior level support
 - DC, Combat Development conducting DOTMLPF analysis of Log OA
 - 10 additional SME's sponsored by DC, I&L



GCSS-MC Summary

- Officially started as a program in October 2004
- Program pace and visibility accelerating
 - ACAT 1AM designation
 - COTS business software being evaluated
 - Systems Integrator RFP in preparation
- Full development in the Fall
- Battlefield of the future will never be the same